

=> "carcinoembryonic antigen" or EAC  
L1 17768 "CARCINOEMBRYONIC ANTIGEN" OR EAC

=> CD40  
L2 11683 CD40

=> L1 and L2  
L3 46 L1 AND L2

=> DNA (1) L3  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'DNA (L) L7'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'DNA (L) L8'  
L4 22 DNA (L) L3

=> plasmid (1) L3  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'PLASMID (L) L7'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'PLASMID (L) L8'  
L5 7 PLASMID (L) L3

L3 ANSWER 39 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:484479 CAPLUS

DOCUMENT NUMBER: 129:201867

TITLE: Optimization of the sequence of antigen loading and  
**CD40**-ligand-induced maturation of dendritic  
cells

AUTHOR(S): Morse, Michael A.; Lysterly, H. Kim; Gilboa, Eli;  
Thomas, Elaine; Nair, Smita K.

CORPORATE SOURCE: Department of Medicine, Duke University Medical  
Center, Durham, NC, 27710, USA

SOURCE: Cancer Research (1998), 58(14), 2965-2968  
CODEN: CNREA8; ISSN: 0008-5472

PUBLISHER: American Association for Cancer Research

DOCUMENT TYPE: Journal

LANGUAGE: English

TI Optimization of the sequence of antigen loading and **CD40**  
-ligand-induced maturation of dendritic cells

SO Cancer Research (1998), 58(14), 2965-2968  
CODEN: CNREA8; ISSN: 0008-5472

AU Morse, Michael A.; Lysterly, H. Kim; Gilboa, Eli; Thomas, Elaine; Nair,  
Smita K.

AB Dendritic cells (DCs), matured by **CD40**-ligand (CD40L), undergo  
marked changes in their ability to process and present antigen, resulting  
in augmented lymphocyte stimulatory activity. The authors demonstrate  
that the form of the tumor antigen (peptide or genetic material) used to  
load the DCs dictates the required sequence of antigen loading and  
maturation for antitumor immunotherapy. Optimal stimulation of  
**carcinoembryonic antigen** (CEA)-specific CTLs by  
peptide-loaded DCs occurs when DCs from cancer patients are matured with  
CD40L before exposure to CEA peptide, whereas optimal stimulation by  
RNA-transfected DCs occurs when the DCs are loaded with CEA RNA before  
maturation with CD40L.

L3 ANSWER 44 OF 46 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 2001:513002 BIOSIS  
DOCUMENT NUMBER: PREV200100513002  
TITLE: DNA vaccines encoding a **CD40** ligand-trimer-CEA  
chimeric protein combined with boosts of an antibody-IL2  
fusion protein markedly enhanced tumor protective immunity  
in CEA-transgenic mice.  
AUTHOR(S): Xiang, R. [Reprint author]; Silletti, S.; Lode, H. N.;  
Dolman, C. S.; Ruehlmann, J. M.; Niethammer, A. G.; Ba, Y.;  
Gillies, S. D.; Primus, F. J.; Reisfeld, R. A.  
CORPORATE SOURCE: Lexigen Pharmaceuticals, Lexington, MA, USA  
SOURCE: Proceedings of the American Association for Cancer Research  
Annual Meeting, (March, 2001) Vol. 42, pp. 698-699. print.  
Meeting Info.: 92nd Annual Meeting of the American  
Association for Cancer Research. New Orleans, LA, USA.  
March 24-28, 2001.  
ISSN: 0197-016X.  
DOCUMENT TYPE: Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LANGUAGE: English  
ENTRY DATE: Entered STN: 31 Oct 2001  
Last Updated on STN: 23 Feb 2002  
TI DNA vaccines encoding a **CD40** ligand-trimer-CEA chimeric protein  
combined with boosts of an antibody-IL2 fusion protein markedly enhanced  
tumor protective immunity in CEA-transgenic mice.  
SO Proceedings of the American Association for Cancer Research Annual  
Meeting, (March, 2001) Vol. 42, pp. 698-699. print.  
Meeting Info.: 92nd Annual Meeting of the American Association for Cancer  
Research. New Orleans, LA, USA. March 24-28, 2001.  
ISSN: 0197-016X.  
AU Xiang, R. [Reprint author]; Silletti, S.; Lode, H. N.; Dolman, C. S.;  
Ruehlmann, J. M.; Niethammer, A. G.; Ba, Y.; Gillies, S. D.; Primus, F.  
J.; Reisfeld, R. A.